CODE DIGIT 5 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE		CODE	CODE DIGITS 6 & 7 FEATURE			CODE
COLLINS	C	DISCRIMINATOR	FULL DROP STA	A0	LDS		11225.0-11700.0 MHZ	A1
			SER CH & FLT ALM STA	B0			3600.0-3900.0 MHZ	B1
		BASEBAND AMPLIFIER		C0			3850.0-4200.0 MHZ	C1
		LIMITER	INPUT RANGE -3DBM TO +20DBM	D0	LOCAL OSC	HIGH DENSITY SOURCE	5925.0-6172.5 MHZ	D1
			INPUT RANGE -10DBM TO +13DBM	E0			6177.5-6425.0 MHZ	E1
		NOISE SENSOR		F0			10700.0-11175.0 MHZ	F1
		70 MHZ OSC	7&9 MHZ	G0			11225.0-11700.0 MHZ	G1
			10.2 & 11.8 MHZ	H0	CONTROL PANEL	HOT STANDBY		H1
			10.1 MHZ	J0		FREQUENCY DIVERSITY		J1
			8.5 MHZ	K0				
			6.2 MHZ	L0				
		AGC SENSOR		M0				
		PILOT SENSOR	64 KHZ	N0				
			308 KHZ	N2				
			3.2 MHZ	N3				
			6.2 MHZ	R0				
			8.5 MHZ	S0				
			10.1 MHZ	T0				
			11.8 MHZ	U0				
		LOCAL OSC	LOW DENSITY SOURCE 3600.0-3900.0 MHZ	V0				
			3850.0-4200.0 MHZ	W0				
			5925.0-6172.5 MHZ	X0				
			6177.5-6425.0 MHZ	Y0				
			10700.0-11175.0 MHZ	Z0				

CODE DIGIT 8

REFERENCE	5	6	7	CODE
SEE PAGE 2				

NOTES:

DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

BELL SYSTEM PRACTICES
AT&T CO STANDARD

COMMON LANGUAGE ENCODER
TRANSMISSION EQUIPMENT

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CODE DIGIT 5 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE				CODE	CODE DIGITS 6 & 7 FEATURE	CODE
SEE PAGE 1		CURRENT	15MA					
			30MA					
			60MA					
		PILOT DETECTOR	12 KHZ			X	K1	
					X		L1	
			308 KHZ			X	M1	
					X		N1	
			1499 KHZ		X		P1	
				X			R1	
			3.2 MHZ		X		S1	
				X			T1	
			6.2 MHZ		X		U1	
				X			V1	
			8.5 MHZ		X		W1	
				X			X1	
			10.1 MHZ	X			Y1	

CODE DIGIT 8

REFERENCE		5	6	7	CODE
CLNS	C	A TO N, R TO Y	0,1		1%
		P	1		
		Z	0		
		N	2,3		

NOTES:

DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

CODE DIGIT 5 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE	CODE
LENKURT	L	MODULATING AMPLIFER (6GHZ)		MODULATING AMPLIFIER (6GHZ)	
		TRANSMIT PILOT DETECTOR		TRANSMIT PILOT DETECTOR	
		MODULATING AMPLIFIER (11GHZ)		MODULATING AMPLIFIER (11GHZ)	
				X	A0				X	A7
		1.499		X		B0	8.500		X		B7
			X			C0		X			C7
					X	A1				X	A8
		3.200		X		B1	SYSTEM PILOT (MHZ) 8.512		X		B8
			X			C1		X			C8
					X	A2				X	A9
		4.715		X		B2	9.023		X		B9
			X			C2		X			C9
		SYSTEM PILOT (MHZ)			X	A3	0.607		X		D0
		6.191		X		B3	7.500		X		D1
			X			C3	2.000	X			D2
				X	A4				
		6.199		X		B4			
			X			C4			
				X	A5				
		6.207		X		B5			
			X			C5			
				X	A6				
		8.488		X		B6			
			X			C6			

CODE DIGIT 8

REFERENCE	5	6	7	CODE
LNKT	L	A,B,C	0 TO 9	2%
		D	0,1,2	
		F,G	0 TO 3	
		E	0,1	

NOTES:

DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

BELL SYSTEM PRACTICES
AT&T CO STANDARD

COMMON LANGUAGE ENCODER
TRANSMISSION EQUIPMENT

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CODE DIGIT 5 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE			CODE	CODE DIGITS 6 & 7 FEATURE	CODE
SEE PAGE 3		IF SWITCH	TERMINATED OUTPUTS	NO	E0		
				YES	E1		
		SLOPE EQUALIZER	NS/MHZ DELAY	+0.2	F0		
				+0.35	F1		
				-0.2	F2		
				-0.35	F3		
		TRANSMIT AFC MIXER	5.925 - 6.425 GHZ		G0		
			6.425 - 7.125 GHZ		G1		
			10.7 - 11.7 GHZ		G2		
			12.2 - 13.25 GHZ		G3		

CODE DIGIT 8				
REFERENCE	5	6	7	CODE
SEE PAGE 3		1		

NOTES:	DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

MWC0   MWC0   MWC0   MWC0   MWC0   MWC0   MWC0   795-217-823

CODE DIGIT 5 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE	CODE
LENKURT	L	5.925 - 6.175 GHZ		5.925 - 6.175 GHZ	
		6.175 - 6.425 GHZ		6.175 - 6.425 GHZ	
		6.425 - 6.575 GHZ		6.425 - 6.575 GHZ	
		6.575 - 6.875 GHZ		6.575 - 6.875 GHZ	
		6.875 - 7.125 GHZ		6.875 - 7.125 GHZ	
		10.7 - 11.7 GHZ		10.7 - 11.7 GHZ	
		12.2 - 12.7 GHZ		12.2 - 12.7 GHZ	
		12.7 - 13.25 GHZ		12.7 - 13.25 GHZ	
			H0	3RD DOUBLER	K0
			H1		K1
			H2		
			H3		
		1ST DOUBLER	H4		
			H5		
			H6		
			H7		
			J0		
			J1		
			J2		
			J3		
		2ND DOUBLER	J4		
			J5		
			J6		
			J7		

CODE DIGIT 8				
REFERENCE	5	6	7	CODE
LNKT	L	H,J	0 TO 7	2%
		K	0 TO 5	
		L	0 TO 9	
		M	0,1,2,	
			4,5,7,	
			8,9	

NOTES:

DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

BELL SYSTEM PRACTICES
AT&T CO STANDARD

COMMON LANGUAGE ENCODER
TRANSMISSION EQUIPMENT

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CODE DIGIT 5 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE		CODE	CODE DIGITS 6 & 7 FEATURE	CODE
SEE PAGE 5		IF AMPLIFIER	300 CHANNEL	K2		
			600 CHANNEL	K3		
		AUX IF AMPLIFIER	-15DBM INPUT +15DBM OP	K4		
			+10DBM OP	K5		
		DISCRIMINATOR AND BASEBAND AMPLIFIER	INPUT LEVEL +1DBM	L0		
			-5DBM	L1		
			VIDEO	L2		
		POWER AMPLIFIER	5.925 - 6.425 GHZ	L3		
			6.425 - 6.875 GHZ	L4		
			6.875 - 7.125 GHZ	L5		
			10.7 - 11.2 GHZ	L6		
			11.2 - 11.7 GHZ	L7		
			12.2 - 12.7 GHZ	L8		
			12.7 - 13.25 GHZ	L9		
		MIXER PRE-AMPL	1.7 - 1.9 GHZ	M0		
			1.85 - 2.11 GHZ	M1		
			2.1 - 2.3 GHZ	M2		
		BASEBAND MONITOR	525 LINES	M4		
			625 LINES	M5		
		PILOT AND NOISE DETECTOR	6.199 MHZ	M7		
			PILOT 8.5 MHZ	M8		
			9.023 MHZ	M9		

CODE DIGIT 8				
REFERENCE	5	6	7	CODE
SEE PAGE 5				

NOTES:

DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

CODE DIGIT 5 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE	CODE
LENKURT	L				
		1.7 - 1.99 GHZ	N0	IF AMPLIFER	R7
		1.85 - 2.11 GHZ	N1	CONTROL AND ALARM	R8
		2.1 - 2.2 GHZ	N2	POWER AND METERING	R9
		2.2 - 2.3 GHZ	N3	MODULATING AMPLIFIER	R0
		FM OSCILLATOR 5.925 - 6.425 GHZ	N4		
		6.425 - 6.875 GHZ	N5		
		6.875 - 7.125 GHZ	N6		
		10.7 - 11.7 GHZ	N7		
		12.2 - 12.7 GHZ	N8		
		12.7 - 13.25 GHZ	N9		
		10.63 - 11.2 GHZ	P0		
		11.2 - 11.77 GHZ	P1		
		12.13 - 12.77 GHZ	P2		
		LOCAL OSCILLATOR 12.63 - 13.32 GHZ	P3		
		5.855 - 6.425 GHZ	P4		
		6.425 - 6.945 GHZ	P5		
		6.805 - 7.20 GHZ	P6		
		AFC FREQ STABILITY 0.005%	R1		
		0.001%	R2		
		VIDEO	R3		
		BASEBAND RECEIVE	R4		
		TRANSMIT	R5		
		FAULT INDICATOR	R6		

	CODE DIGIT 8			
REFERENCE	5	6	7	CODE
LNKT	L	N,R P	0 TO 9 0 TO 6	2%

NOTES:

DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

BELL SYSTEM PRACTICES
AT&T CO STANDARD

COMMON LANGUAGE ENCODER
TRANSMISSION EQUIPMENT

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CODE DIGIT 5 FEATURE	CODE	CODE DIGITS 6 & 7 FEATURE			CODE	CODE DIGITS 6 & 7 FEATURE	CODE
FARINON	F			3500-3900	A0		
				3700-4200	B0		
				4400-5000	C0		
		XMTR AFC		5925-7125	D0		
			FREQ RANGE (MHZ)	7125-7750	E0		
				5925-6700	F0		
				6400-7125	G0		
		POWER AMPLR		308-367	H0		
				360-432	J0		
				325-367	K0		
				1499	L0		
				1975	M0		
				3200	N0		
		CONTROL AND ALARM	PILOT FREQ (KHZ)	4715	P0		
				8500	R0		
				4715	S0		
				9023	T0		
		>64KHZ BEF			U0		

CODE DIGIT 8				
REFERENCE	5	6	7	CODE
>FRNN	F	A TO U	0	3%

NOTES:

DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

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----------------------------------------------------------------------------------------------------------------
|         CODE DIGIT 5           |      |          CODE DIGIT 6               |       |      CODE DIGIT 7         |      |
|           FEATURE              |CODE  |           FEATURE                   |CODE   |       FEATURE            |CODE  |
|--------------------------------+------|-------------------------------------+-------|--------------------------+------|
| FARINON                        |  F   |         | TRANSMITTER               |       |               | 135      |  1   |
|--------------------------------|------| BASEBAND |-------------------------|       |               |----------|------|
|                                |      |         | RECEIVER                  |       |               | 331      |  2   |
|                                |      |         |---------------------------|       |               |----------|------|
|                                |      |         |                  |- |- |----|      |               | 607      |  3   |
|                                |      |         |                  | |X|  A |      PILOT FREQUENCY (KHZ) |----------|------|
|                                |      |         |              24  |- |- |----|      |               | 1159     |  4   |
|                                |      |         |                  |X |   B |      |               |----------|------|
|                                |      |         |                  |- |- |----|      |               | 1499     |  5   |
|                                |      |         |                  | |X|  C |      |               |----------|------|
|                                |      |         |              60  |- |- |----|      |               | 1975     |  6   |
|                                |      |         |                  |X |   D |      |               |----------|------|
|                                |      |         |                  |- |- |----|      |               | 3200     |  7   |
|                                |      |         |                  | |X|  E |------------------------------------|------|
|                                |      |         |              72  |- |- |----|
|                                |      |         |                  |X |   F |
|                                |      |         |                  |- |- |----|
|                                |      |         |                  | |X|  G |
|                                |      |         |             132  |- |- |----|
|                                |      |         |                  |X |   H |
|                                |      |         |                  |- |- |----|
|                                |      |         |                  | |X|  J |
|                                |      |MULTIPLEX CHAN CAPACITY    252  |- |- |----|
|                                |      |         |                  |X |   K |
|                                |      |         |                  |- |- |----|
|                                |      |         |                  | |X|  L |
|                                |      |         |             300  |- |- |----|
|                                |      |         |                  |X |   M |
|                                |      |         |                  |- |- |----|
|                                |      |         |                  | |X|  N |
|                                |      |         |             420  |- |- |----|
|                                |      |         |                  |X |   P |
|                                |      |         |                  |- |- |----|
|                                |      |         |                  | |X|  R |---------------------------------------|
|                                |      |         |             480  |- |- |----|            CODE DIGIT 8            |
|                                |      |         |                  |X |   S |---------------------------------------|
|                                |      |         |                  |- |- |----|   REFERENCE      5      6      7  CODE |
|                                |      |         |                  | |X|  T |--------------------------------------|
|                                |      |         |             600  |- |- |----|   FRNN      |F    |A,B    | 1   | 3% |
|                                |      |         |                  |X |   U |            |     |C,D,E,F| 2   |    |
|                                |      |                                     |            |     |G,H    | 3   |    |
|                                |      |                                     |            |     |J,K    | 4   |    |
|                                |      |                                     |            |     |L,M    | 5   |    |
|                                |      |                                     |            |     |N,P    | 6   |    |
|                                |      |                                     |            |     |L,M,R, | 7   |    |
|                                |      |                                     |            |     |S,T,U  |     |    |
----------------------------------------------------------------------------------------------------------------
|NOTES:                                            |DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT      |
|                                                  |                                                              |
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CODE DIGIT 5 FEATURE	CODE	CODE DIGIT 6 FEATURE		CODE	CODE DIGIT 7 FEATURE	CODE
FARINON	F		1499	1	E/W DEVIATION TEST BOARD	1
			1975	2	OTHER	0
			3200	3		
		XMTR ALARM PILOT FREQ.(KHZ)	4715	4		
			8500	5		
			9023	6		

CODE DIGIT 8				
REFERENCE	5	6	7	CODE
FRNN	F	1 TO 6	0,1	3%

NOTES: DESCRIPTION: MICROWAVE RADIO - COMMON OPTIONAL EQUIPMENT

MWC0   MWC0   MWC0   MWC0   MWC0   MWC0   MWC0   795-217-823

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AT&T CO STANDARD

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|-----------------------------------+----|--------------------------------------+----|--------------------------------------+----|
|         CODE DIGIT 5              |    |          CODE DIGIT 6                |    |          CODE DIGIT 7                |    |
|            FEATURE                |CODE|             FEATURE                 |CODE|             FEATURE                 |CODE|
|-----------------------------------+----|--------------------------------------+----|--------------------------------------+----|
| FARINON                           | F  |         | SS6000,SS7000             |    |          | -35                        |    |
|-----------------------------------|----|         |---------------------------|    |          |----------------------------|    |
|                                   |    | USED ON | SS4000,SS4500             |    | INPUT    | -41/-42                    |    |
|                                   |    | SYSTEMS |---------------------------|    | LEVEL    |----------------------------|    |
|                                   |    |         | SS11000                   |    | (DBM)    | -45                        |    |
|                                   |    |         |---------------------------|    |          |----------------------------|    |
|                                   |    |         | SS12000                   |    |          | -48                        |    |
|                                   |    |         |-------------------------- |    |          |--------------------------- |    |
```

Code Digit 6 — PILOT FREQ (KHZ):

					CODE
1499				|X| A
			|X|	B
		|X|		C
	|X|			D
1975				|X| E
		|X|		F
	|X|			H
3200				|X| J
		|X|		K
	|X|			M
4715				|X| N
		|X|		P
	|X|			R
	|X|			S
8500				|X| T
	|X|			V

Code Digit 7 — CHANNEL CAPACITY:

					CODE
300				|X| A
			|X|	B
		|X|		C
	|X|			D
420				|X| E
		|X|		F
	|X|			G
600				|X| J
		|X|		K
	|X|			L
960				|X| N
		|X|		P
	|X|			R
1200				|X| T
		|X|		U
	|X|			V

```
|------------------------------------------------|
|                CODE DIGIT 8                     |
|------------------------------------------------|
| REFERENCE        5        6        7      CODE  |
|------------------------------------------------|
|           |SEE  |                               |
|           |PAGE 12|                             |
|           |      |                              |
|------------------------------------------------|
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|NOTES:                              |DESCRIPTION: MICROWAVE RADIO - TRANSMITTER BASEBAND AMPLIFIER   |
|                                    |             (PROTECTED)                                       |
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BELL SYSTEM PRACTICES
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TRANSMISSION EQUIPMENT

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CODE DIGIT 5 FEATURE	CODE	CODE DIGIT 6 FEATURE	CODE	CODE DIGIT 7 FEATURE	CODE
FARINON	F	OSCILLATOR/MODULATOR	1	NO CHOICE	8
		MULTIPLIER/DRIVER	2		
		DOUBLER/FILTER	3		
		MIXER/AMPLIFIER	4		
		BASEBAND TRMTR AMPLIFIER	5		
		BASEBAND RCVR AMPLIFIER	6		
		POWER AMPLIFIER/DOUBLER	7		
		IF AMPLIFIER/PRE-FILTER	8		
		LIMITER DISCRIMINATOR	9		

CODE DIGIT 8

REFERENCE	5	6	7	CODE
FRNN	F	A	A TO G, J	3%
		B	A,B,C, E,F,G	
		C,D	A	
		E,F	E,F,G	
		H	E,F	
		J,K,R	J,K,L	
		M,S	J,K	
		N	J,K,L, N,P,R	
		P	N,P,R	
		T	R,T,U	
		V	T,U,V	
		1 TO 9	8	

NOTES:

DESCRIPTION: MICROWAVE RADIO - TRANSMITTER BASEBAND AMPLIFIER
(PROTECTED)

MWC0   MWC0   MWC0   MWC0   MWC0   MWC0   MWC0